

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 44654	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IL2008/001678	International filing date (day/month/year) 25/12/2008	(Earliest) Priority Date (day/month/year) 26/12/2007	
Applicant SENG ENTERPRISES LTD.			

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International search report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☒ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 2
- ☐ as suggested by the applicant
- ☒ as selected by this Authority, because the applicant failed to suggest a figure
- ☐ as selected by this Authority, because this figure better characterizes the invention
- b. ☐ none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No

PCT/IL2008/001678

A. CLASSIFICATION OF SUBJECT MATTER
INV. B01L3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 03/056345 A (SENS INC I [KR]; CUI GANG [CN]; KIM JU-YONG [KR]; KIM MOON-HWAN [KR];) 10 July 2003 (2003-07-10) page 5, lines 10-22 page 8, lines 6-22 page 14, lines 23-27; figure 1 ----- -/--	1,2,5-7, 9,14,19, 34 10

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

6 August 2009

Date of mailing of the international search report

10/09/2009

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IL2008/001678

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/080000 A (SENG ENTPR LTD [IL]; DEUTSCH MORDECHAI [IL]) 3 August 2006 (2006-08-03) cited in the application	1-5,7-9, 14, 16-20, 35-38
Y	page 4, lines 9,10 page 19, lines 24-28 page 20, line 25 page 24, lines 29-32 page 29, lines 7,8 page 30, line 31 - page 31, line 12 page 32, lines 11-31 page 37, line 31 - page 38, line 3; figures 4A-4C,8-11,14	10
X	US 2002/187074 A1 (O'CONNOR STEPHEN D [US] ET AL) 12 December 2002 (2002-12-12)	1,2,5,6, 9,14,16, 19,34
Y	paragraphs [0051], [0055], [0064]; figures 1A-B,2A	10
Y	EP 0 059 297 A (GREINER & SOEHNE C A GMBH [AT]) 8 September 1982 (1982-09-08) page 6, line 33 - page 7, line 5; figure 3	10
X	US 2004/241783 A1 (PAPKOVSKY DMITRI [IE] ET AL) 2 December 2004 (2004-12-02) paragraphs [0014] - [0016]; figures 1,2(a)-(b)	1-3,5, 14,18-20
X	US 6 103 479 A (TAYLOR D LANSING [US]) 15 August 2000 (2000-08-15) column 6, lines 6-11; figures 8-10 column 15, lines 18-28	1-3,5,9, 14,18-20
X	WO 02/097398 A (EXIQON AS [DK]; JAKOBSEN MOGENS HASTEEN [DK]; KONGSBAK LARS [DK]) 5 December 2002 (2002-12-05) page 14, lines 14-20 page 27, lines 4-7 page 37, line 11 - page 38, line 5; figures 5-12	1,2,5,6, 9,14,17, 19

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2008/001678

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
1-10, 14 (part), 16-20 (part), 34-38
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3, 5-10, 14, 16-20, 34

The device of claim 1 furthermore comprising a cell holding area in fluid contact with the capillary flow channel

2. claims: 1, 11-13, 15, 28, 29

The device of claim 1 wherein the components are linked together by adhesive

3. claims: 21-27

Kit comprising a capillary flow conduit, a cell holding area and an indication for one or both of a capillary flow rate and a cell dislocation rate

4. claims: 30-33

A method for assembling a modular device suitable for cell studies.

5. claims: 4, 35-38

A device suitable for cell studies whereby at least one array of cell holders is partially covered (masked) and connected with a capillary channel.

6. claims: 39-43

Method for forming a device suitable for cell studies adhering a plurality of layers.

7. claims: 44-59

Method and criteria for the selection and use of a cell study device according to a desired fluid flow rate and/or a cell dislocation rate.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IL2008/001678

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03056345	A	10-07-2003	AU 2002251574 A1	15-07-2003
			CN 1514937 A	21-07-2004
			EP 1342093 A1	10-09-2003
			JP 3948627 B2	25-07-2007
			JP 2005513508 T	12-05-2005
			KR 20030054204 A	02-07-2003
			US 2004045821 A1	11-03-2004
WO 2006080000	A	03-08-2006	EP 1866075 A1	19-12-2007
			US 2009105095 A1	23-04-2009
US 2002187074	A1	12-12-2002	NONE	
EP 0059297	A	08-09-1982	AT 368389 B	11-10-1982
			BR 8200253 A	23-11-1982
			JP 57154057 A	22-09-1982
US 2004241783	A1	02-12-2004	NONE	
US 6103479	A	15-08-2000	NONE	
WO 02097398	A	05-12-2002	EP 1337826 A2	27-08-2003
			WO 02061387 A2	08-08-2002